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WHAT IS CLAIMED IS:

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1. A method for preparation of nanocomposite solution, comprising:

preparing basic silica colloid aqueous solution;

providing an electrolysis apparatus by installing a negative electrode containing aluminum and a positive electrode containing silver into the basic silica colloid aqueous solution; and

forming nanocomposite by applying voltage to the 10 respective electrodes of the electrolysis apparatus.

- 2. The method for preparation of the nanocomposite solution according to claim 1, wherein temperature when applying the voltage is between 30 and 100°C.
- 3. The method for preparation of the nanocomposite solution according to claim 1, wherein content of silica in the basic silica colloid aqueous solution is between 0.1 and 30 weight percentage.
 - 4. The method for preparation of the nanocomposite solution according to claim 1, wherein PH of the basic silica colloid aqueous solution is between 8 and 12 PH.
 - 5. The method for preparation of the nanocomposite solution according to claim 1, further comprising applying organic solvent to the nanocomposite solution and removing water.
- 25 6. Nanocomposite solution manufactured according to

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the method for preparation of the nanocomposite solution according to claim 1.

7. Nanocomposite solution manufactured according to the method for preparation of the nanocomposite solution according to claim 2.

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- 8. Nanocomposite solution manufactured according to the method for preparation of the nanocomposite solution according to claim 3.
- 9. Nanocomposite solution manufactured according to 10 the method for preparation of the nanocomposite solution according to claim 4.
 - 10. Nanocomposite solution manufactured according to the method for preparation of the nanocomposite solution according to claim 5.
- 11. Nanocomposite solution comprising nanocomposite and dispersion media comprising silver particles with size between 1 and 10 nm and silica particles having size between 3 and 50 nm.
- 12. The Nanocomposite solution according to claim 11, 20 wherein the nanocomposite further comprises aluminum.
 - 13. The Nanocomposite solution according to claim 11, wherein the silver particle and the silica particle are bound to each other.
- 14. Nanocomposite comprising silver particles having 25 size between 1 and 10 nm and silica particles having size

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between 3 and 50 nm.

- 15. The nanocomposite according to claim 14, wherein the silver particle and the silica particle are bound to each other.
- 5 16. The nanocomposite according to claim 14, further comprising aluminum.